The following site is being submitted for inclusion into the GIS registry:

| This is a: | New Submittal | | | | |
|--|-------------------------------|--|--|--|--|
| BRRTS ID (no dashes): | 0345001568 | | | | |
| Comm # (no dashes): | 54911195519 | | | | |
| County: | Outagamie | | | | |
| Region: | Commerce | | | | |
| Site name: | Croatt Oil Co (Shell Station) | | | | |
| Street Address: | 2619 N Richmond St | | | | |
| City: | Appleton | | | | |
| Closure Date | 2000-03-16 | | | | |
| Closure Conditions: | met | | | | |
| Offsite contamination? | No | | | | |
| Right-of-way contamination? | No | | | | |
| Contaminated media: | Groundwater | | | | |
| GPS Coordinates (meters in the WTM91 projection) | | | | | |
| Easting (X): | 646386.509150208 | | | | |
| Northing (Y): | 424796.835934157 | | | | |
| Submitted by: | Cheryl Nelson | | | | |

Checklist

| \boxtimes | Final Closure Letter |
|-------------|--|
| \boxtimes | Copy of recorded deed Instrument for any property with GW >NR140 ES |
| \boxtimes | General Location Map |
| \boxtimes | Detailed Location Map showing property boundaries, buildings, etc for properties with GW >NR140 ES |
| | Latest Map(s) showing extent or outline of current GW plume |
| \boxtimes | GW flow direction |
| \boxtimes | MW(s) and/or potable wells |
| \boxtimes | Latest Table of GW results |





Tommy G. Thompson, Governor Brenda J. Blanchard, Secretary

December 21, 1999

Mr. William Croatt 2619 N. Richmond Appleton, WI 54911

March 16, 2000

See text box on page 2 for updated status based on receipt of requested information.

Subject:

Conditional Case Closure - Croatt Oil (Shell Station) Site

2619 N. Richmond Street, Appleton

COMMERCE #54911-1955-19 DNR #03-45-001568

Dear Mr. Croatt:

The above referenced site was reviewed for closure by Wisconsin Department of Commerce PECFA Site Review staff in response to the November 18, 1999 closure request prepared by your consultant, Environmental Assessments. It is understood that there is residual soil and groundwater contamination present on site and may extend into the Richmond Street right-of-way. Using the standards established in NR 700, and the risk criteria of Comm 46, the Department has determined that this site does not pose a significant threat to the environment and human health and no further investigation or remedial action is necessary.

The following items are necessary to satisfy the conditions of closure:

- 1. A groundwater use restriction must be placed on the deed to the property. This would state that residual petroleum contaminants exist on the site and if a potable well is ever constructed, the WDNR water supply unit must be contacted to assist in proper design and placement. I have enclosed an example of a groundwater use restriction. Please complete this and submit a signed, notarized, and filed copy to this office. If you wish to amend the wording, please submit the changes for my approval prior to filing.
- 2. All monitoring well and vapor extraction well abandonment forms.

IMPORTANT: Before this case can be officially listed as "closed" on the Wisconsin Department of Commerce/Natural Resources computer database, you or your consultant must submit the requested information.

If, in the future, site conditions indicate that any contamination that remains poses a threat, the need for further remediation would be determined and required if necessary. If subsequent information indicates a need to reopen this case, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

It is important to realize that if the land use conditions change in the future and the contaminated soil is disturbed, appropriate measures must be implemented to assure any residual contamination is managed following all applicable State of Wisconsin regulations and standards.

Page 2
Conditional Closure
Croatt Oil (Shell Station) - COMM #54911-1955-19
2619 N. Richmond, Appleton

If you have any questions, feel free to contact me at (920)424-0025.

Sincerely,

Thomas Verstegen
Hydrogeologist
Department of Commerce

cc: PECFA File - pf\pecfa\549\54911\195519\close.doc Ms. Victoria Flowers - Environmental Assessments

After review of the requested information submitted on March 16, 2000 by Environmental Assessments, the Department concludes that no further action is required at the above referenced site and is listed as closed on the Department of Commerce computer tracking system.

Thomas Verstegen

March 16, 2000

Department of Commerce

Hydrogeologist

Document Number

GROUNDWATER USE RESTRICTION

Declaration of Restrictions

Legal Description of the Property: All of Lots One (1) Two (2), Block Seven (7), NORTH HEIGHTS SUBDIVISION, City of Appleton, Outagamine County, Wisconsin.

STATE OF WISCONSIN) ss COUNTY OF OUTAGAMIE)

OUTAGAMIE COUNTY RECEIVED FOR RECORD

MAR 1 5 2000

AT 0 O'CLOCK A.M. P.M.

JANICE FLENZ

REGISTER OF DEEDS

Recording Area

PHOS

Name and Return Address Mr. William Croatt 2619 N. Richmond Appleton, WI 54911

Parcel Identification Number (PIN) 31-5-4309-00-0

Section 1. WHEREAS, William Croatt is the owner of the above-described property.

Section 2. WHEREAS, one or more petroleum based discharges have occurred at this property. Petroleum contaminated groundwater above Wisconsin Administrative Code NR 140 Enforcement Standards (NR 140 ES) and exists on the eastern edge of the property along the Richmond Street right-of-way (ROW)

Section 3. WHEREAS, it is the desire and intention of the property owner to impose on the property restrictions which will make it unnecessary to conduct additional soil or groundwater remediation activities on the property at the present time.

NOW THEREFORE, the owner hereby declares that all of the property described above is held and shall be held, conveyed or encumbered, leased, rented, used, occupied and improved subject to the following limitations and/or restrictions:

Anyone who proposes to construct or reconstruct a well on this property is required to contact the Department of Natural Resources' Bureau of Drinking Water and Groundwater, or its successor agency, to determine what specific prohibitions or requirements are applicable, prior to construction or reconstruction a well on this property. No well may be constructed or reconstructed unless applicable requirements are met.

Any person who is or becomes owner of the property described above may request that the Wisconsin Department of Commerce, or its successor, issue a determination that the restrictions set forth in this covenant are no longer required. That property owner shall provide any and all necessary information to the

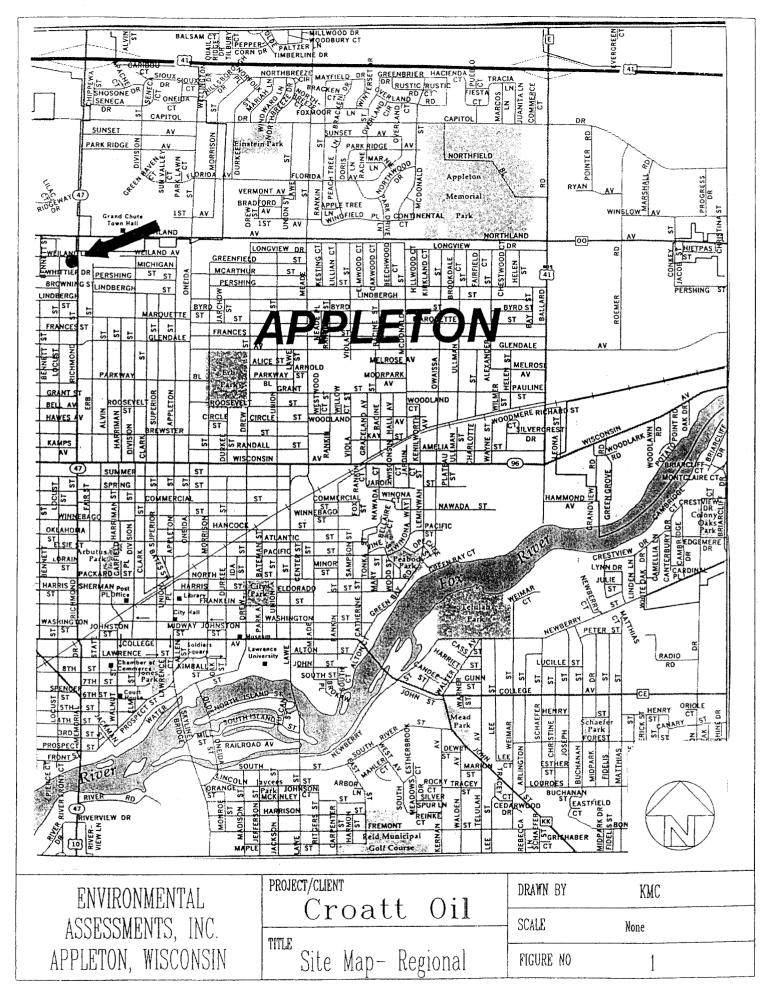
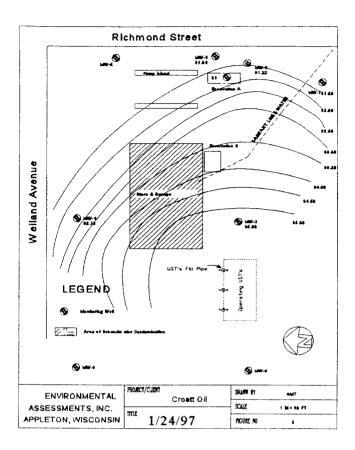
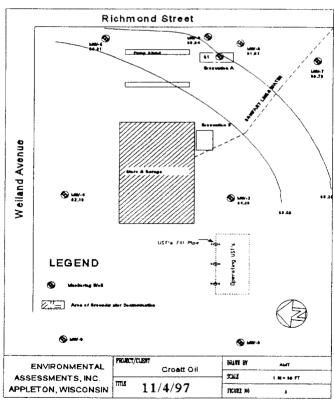


Figure 8 Groundwater Flow Maps



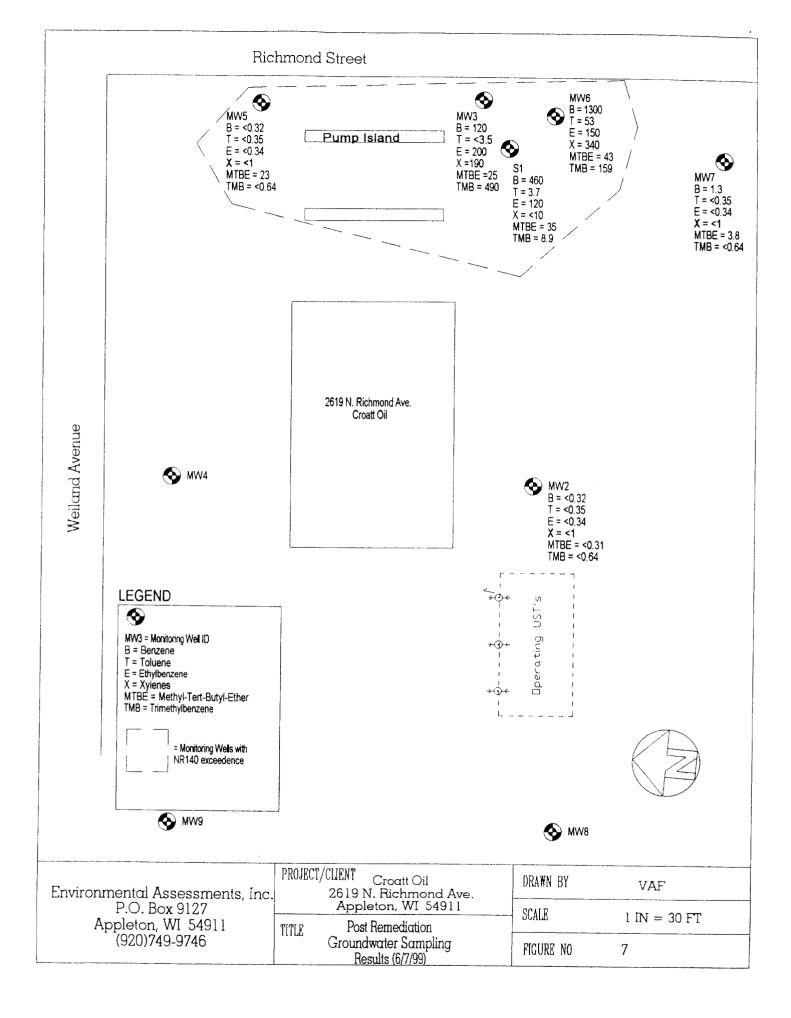


Note:

These two rounds of measurements are used due to unusually high groundwater elevations recorded during other recording events that were above the screened portion of the monitoring well

Groundwater Elevation Table

| MW ID Dee Elevation Elevation Groundwater Depth Groundwater Depth Elevation Groundwater Elevation Groundwater Depth School Groundwater Elevation Groundwater Depth School Groundwater Elevation PS.39 3.43 96.42 95.39 3.43 96.42 11/16/98 5.57 94.28 5.57 94.28 5.57 94.28 5.57 94.28 5.57 94.28 5.57 94.28 6.08 5.13 94.72 3.81 94.94 99.18 6.08 95.19 97.83 99.383 MW3 08/23/96 102/23/97 03/25/97 11/03/97 06/08/98 08/27/99 97.68 97.12 5.3 2.94 3.81 4.92 3.81 93.31 93.31 93.31 93.31 93.31 93.32 95.33 93.31 99.5.33 93.31 99.5.33 93.31 99.5.33 93.24 99.5.33 94.72 99.5.33 99.5.33 3.88 99.3.24 99.3.24 99.60/07/99 99.886 90.8/27/99 97.13 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.31 99.3.32 99.3.32 99.32 99.32 99.32 99.32 99.32 99.32 99.32 99.32 99.32 99.32 99.32 99.32 9 | Groundwater Elevation Table | | | | | | | | | |
|---|-----------------------------|--------------|---------------------------------------|-----------|-------------|-------------|--|--|--|--|
| MW2 01/23/97 03/25/97 11/03/97 06/08/98 11/16/98 03/01/99 08/27/99 99.2 3.43 5.07 94.78 5.13 94.72 93.83 96.42 5.07 94.78 5.13 94.72 93.83 MW3 08/23/96 10/16/96 12/23/97 03/25/97 06/08/98 11/16/98 03/01/99 06/07/99 97.68 97.12 3.81 97.12 3.81 97.12 3.81 97.12 3.81 97.31 97.64 89.48 97.12 3.81 97.12 3.81 97.31 97.64 89.48 97.12 99.53 3.88 93.24 0.82 94 94.18 0.33 91.32 0.39 94.13 MW4 01/23/97 06/08/98 03/01/99 06/07/99 07/07/07/07/07/07/07/07/07/07/07/07/07/0 | MW | Date | Grade | Pipe | Groundwater | Groundwater | | | | |
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| 11/03/97 | | | | | | | | | | |
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| 02/19/97 03/25/97 04/14/97 11/03/97 06/08/98 11/16/98 03/01/99 06/07/99 08/27/99 MW4 09/17/97 06/08/98 11/16/98 03/25/97 06/08/98 11/16/98 03/25/97 06/08/98 11/16/98 03/25/97 06/08/98 11/16/98 03/25/97 06/08/98 11/16/98 03/25/97 06/08/98 097.56 01/23/97 01/23/97 06/08/98 098/27/99 MW6 08/23/96 01/23/97 03/25/97 02/19/97 03/25/97 02/19/97 03/25/97 03/25/97 03/25/97 04/14/97 03/25/97 02/19/97 03/25/97 02/19/97 03/25/97 02/19/97 03/25/97 02/19/97 03/25/97 02/19/97 03/25/97 02/19/97 03/25/97 02/19/97 03/25/97 06/08/98 01/23/97 06/08/98 01/23/97 06/08/98 01/23/97 06/08/98 01/23/97 06/08/98 01/23/97 06/08/98 03/01/99 06/07/99 08/27/99 08/27/99 MW7 09/17/97 06/08/98 11/16/98 03/01/99 06/07/99 08/27/99 08/27/99 MW7 09/17/97 06/08/98 11/16/98 03/01/99 06/07/99 08/27/99 08 | | 12/23/96 | | | 7.64 | 89.48 | | | | |
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| MW4 01/23/97 03/25/97 11/03/97 06/08/98 03/01/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 08/27/99 06/07/99 | | | | | | | | | | |
| MW5 | | 08/27/99 | | | 2.99 | 94.13 | | | | |
| MW5 | | | · · · · · · · · · · · · · · · · · · · | | | | | | | |
| MW5 | MW4 | | 98.86 | 98.3 | | | | | | |
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| 11/16/98 3.68 93.42 03/01/99 3.79 93.31 06/07/99 2.72 94.38 08/27/99 3.43 93.67 MW6 08/23/96 97.56 97.18 4.32 92.86 10/16/96 5.12 92.06 5.9 91.28 01/23/97 5.96 91.22 5.96 91.22 02/19/97 5.69 91.49 2.88 94.3 11/03/97 2.88 94.3 95.13 11/03/97 5.57 91.61 3.98 93.2 11/16/98 3.99 93.19 3.9 93.28 06/07/99 2.91 94.27 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 MW7 09/17/97 96.12 95.9 4.58 91.32 MW7 09/17/97 96.12 95.9 4.58 91.32 5.67 90.23 5.67 90.23 03/01/99 5.67 90.23 5.72 90.18 06/07/99 5. | | 06/08/98 | | | 3.7 | | | | | |
| 03/01/99 3.79 93.31 06/07/99 2.72 94.38 08/27/99 3.43 93.67 MW6 08/23/96 97.56 97.18 4.32 92.86 10/16/96 5.12 92.06 5.9 91.28 01/23/97 5.96 91.22 91.28 02/19/97 5.69 91.49 03/25/97 2.88 94.3 04/14/97 2.05 95.13 11/03/97 5.57 91.61 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.67 90.23 11/16/98 5.67 90.23 03/01/99 5.54 90.36 | ļ | 11/16/98 | | | | | | | | |
| 06/07/99 2.72 94.38 08/27/99 3.43 93.67 MW6 08/23/96 97.56 97.18 4.32 92.86 10/16/96 5.12 92.06 5.9 91.28 01/23/97 5.96 91.22 5.96 91.22 02/19/97 5.69 91.49 91.49 91.49 03/25/97 2.88 94.3 94.3 04/14/97 2.05 95.13 95.13 11/03/97 5.57 91.61 99.16 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 5.87 90.03 11/16/98 5.67 90.23 5.72 90.18 06/07/99 5.54 90.36 | | | | į | | | | | | |
| MW6 08/23/96 10/16/96 12/23/96 01/23/97 02/19/97 06/08/98 11/16/98 03/01/99 06/07/07/99 06/07/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 06/07/99 0 | | | | i | | | | | | |
| MW6 08/23/96 97.56 97.18 4.32 92.86 5.12 92.06 5.12 92.06 5.9 91.28 5.96 91.22 5.96 91.22 5.69 91.49 2.88 94.3 2.05 95.13 11/03/97 5.57 91.61 3.98 93.2 11/16/98 3.99 93.19 3.9 93.28 06/07/99 3.9 93.28 93.2 11/16/98 96/07/99 3.9 93.28 93.2 11/16/98 97.9 96.12 95.9 4.58 91.32 11/16/98 97.9 06/08/98 11/16/98 5.67 90.03 11/16/98 5.67 90.23 5.72 90.18 06/07/99 5.54 90.36 | | | - | | | | | | | |
| 10/16/96 12/23/96 5.12 92.06 12/23/97 5.96 91.22 12/25/97 2.88 94.3 94.3 11/16/98 3.99 93.19 11/03/97 2.91 94.27 08/27/99 3.83 93.25 11/16/98 3.99 93.35 11/16/98 3.99 93.19 3.90 3.95 | | 00/2//// | | | 3.43 | 93.07 | | | | |
| 10/16/96 12/23/96 5.12 92.06 12/23/97 5.96 91.22 12/25/97 2.88 94.3 94.3 11/16/98 3.99 93.19 11/03/97 2.91 94.27 08/27/99 3.83 93.25 11/16/98 3.99 93.35 11/16/98 3.99 93.19 3.90 3.95 | MW6 | 08/23/06 | 07.56 | 07.19 | 4 22 | 02.97 | | | | |
| 12/23/96 5.9 91.28 01/23/97 5.96 91.22 02/19/97 5.69 91.49 03/25/97 2.88 94.3 04/14/97 2.05 95.13 11/03/97 5.57 91.61 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | 141 44 0 | | 91.30 | 97.10 | | | | | | |
| 01/23/97 5.96 91.22 02/19/97 5.69 91.49 03/25/97 2.88 94.3 04/14/97 2.05 95.13 11/03/97 5.57 91.61 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.67 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | } | | | | | | |
| 02/19/97 5.69 91.49 03/25/97 2.88 94.3 04/14/97 2.05 95.13 11/03/97 5.57 91.61 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | | | | | | | |
| 03/25/97 2.88 94.3 04/14/97 2.05 95.13 11/03/97 5.57 91.61 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | | | | | | | |
| 04/14/97 2.05 95.13 11/03/97 5.57 91.61 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | | | | | | | |
| 11/03/97 5.57 91.61 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | | | | | | | |
| 06/08/98 3.98 93.2 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | | | | | | | |
| 11/16/98 3.99 93.19 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | | 5.57 | 91.61 | | | | |
| 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | 06/08/98 | | [| 3.98 | 93.2 | | | | |
| 03/01/99 3.9 93.28 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | 11/16/98 | | ſ | 3.99 | 93.19 | | | | |
| 06/07/99 2.91 94.27 08/27/99 3.83 93.35 MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | 03/01/99 | | | 3.9 | | | | | |
| MW7 09/17/97 96.12 95.9 4.58 91.32 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | 06/07/99 | ļ | | | | | | | |
| MW7 09/17/97 96.12 95.9 4.58 91.32 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | Ì | | | | | | |
| 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | ******* | | | | | | | | | |
| 11/03/97 6.11 89.79 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | MW7 | 09/17/97 | 96.12 | 95.9 | 4.58 | 91 32 | | | | |
| 06/08/98 5.87 90.03 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | | | | | | | | |
| 11/16/98 5.67 90.23 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | İ | ŀ | | | | | | |
| 03/01/99 5.72 90.18 06/07/99 5.54 90.36 | | | 1 | } | | | | | | |
| 06/07/99 5.54 90.36 | | | | } | | | | | | |
| | | | | } | | | | | | |
| 08/27/99 5.89 90.01 | | | | | | | | | | |
| | | 08/27/99 | | | 5.89 | 90.01 | | | | |



Groundwater Sampling Results

| TD | T 5 | T 5 | Groundw | | | | , | |
|---------|----------|---|--------------|-------|-----------------|-------------|------------|--|
| ID | Date | Benzene | Ethylbenzene | MTBE | Toluene | Naphthalene | Xylenes | TMB |
| MW1 | 05/18/94 | 37 | <0.6 | <2.7 | <0.6 | <3.3 | <1 | <1.7 |
| | 11/15/94 | < 0.5 | <0.6 | 0.8 | <0.6 | | <1 | <1.7 |
| | 03/14/95 | < 0.5 | < 0.6 | <2.7 | < 0.6 | | <1 | <1.7 |
| | | | | | | | | 1 |
| MW2 | 05/18/94 | < 0.5 | <0.6 | <1.7 | <0.6 | <3,3 | <1.7 | 1 |
| | 11/16/98 | <0.5 | <0.6 | <1.7 | <0.6 | <3.3 | <1.7 | <1.7 |
| | 06/07/99 | < 0.32 | < 0.34 | <0.31 | <0.35 | <0.88 | <1 | <0.64 |
| | | | <u> </u> | 10.51 | 10,35 | 10.00 | '1 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| MW3 | 05/18/94 | 2400 | 520 | 58 | 290 | 22 | 2180 | |
| | 11/15/94 | 473 | 164 | 54 | < 0.6 | 36 | 106 | |
| | 03/14/95 | 1620 | 1080 | <30 | 75 | 134 | 1680 | - |
| | 09/29/95 | 1400 | 520 | 63 | < 0.6 | 43 | <1.7 | 1 |
| | 08/23/96 | 215 | 304 | 57 | 4.8 | NA | 16 | |
| | 10/16/96 | 530 | 390 | 53 | 16 | 20 | 39 | |
| | 12/23/96 | 770 | 320 | 55 | 37 | 37 | 525 | |
| | 03/26/97 | 1600 | 760 | 64 | 39 | NA | 1240 | |
| | 06/09/97 | 1000 | 640 | 37 | 4.9 | 61 | 807 | |
| | 11/03/97 | 217 | 126 | 35.3 | 1.86 | 23.5 | 68.7 | 199.86 |
| | 03/11/98 | 532 | 606 | 27 | 4.4 | 5 | 238 | 534 |
| | 06/09/98 | 158 | 110 | 31 | 4.4 | 50 | 178 | 131 |
| | 11/16/98 | 128 | 74 | 30 | 5.1 | 55 | 56,6 | 286.9 |
| | 03/01/99 | 130 | 210 | 24 | 5.2 | 62 | 190 | 377 |
| | 06/07/99 | 120 | 200 | 25 | <3.5 | | 190 | 490 |
| | 08/27/99 | 100 | 57 | 22 | 3.3 | 55 | 130 | 330 |
| MW4 | 05/18/94 | <0.5 | <0.6 | <1.7 | < 0.6 | <3.3 | <1.7 | |
| | | | | | | | | |
| MW5 | 05/18/94 | <0.5 | <0.6 | 20 | <0.6 | <3.3 | <1.7 | |
| | 11/03/97 | <0.19 | <0.19 | 22.8 | <0.11 | <0.11 | < 0.57 | < 0.46 |
| | 11/16/98 | <0.5 | <0.6 | 25 | <0.6 | <2.8 | <1.7 | <1.7 |
| | 03/01/99 | < 0.32 | <0.34 | <0.31 | < 0.35 | <0.88 | <1 | < 0.64 |
| | 06/07/99 | <0.32 | < 0.34 | 23 | < 0.35 | | <1 | < 0.64 |
| | 08/27/99 | < 0.32 | <0.34 | 26 | < 0.35 | <0.88 | <1 | <0.64 |
| MW6 | 05/18/94 | 610 | 25 | 61 | <0.6 | 6.3 | 106 | |
| 111,110 | 11/15/94 | 364 | <14 | <1.7 | <15 | <3.3 | 106 | |
| | 03/14/95 | 1360 | <14 | <1.7 | <15 | <3.3 | <25 | |
| ì | 09/29/95 | 77 | 0.7 | 77 | 1.2 | 2,9 | 129 | |
| ì | 08/23/96 | 616 | 16 | 61 | 11 | NA NA | 108 240 | |
| | 10/16/96 | 1000 | II | 80 | $\frac{11}{20}$ | <3.3 | 226 | |
| İ | 12/23/96 | 500 | 14 | 79 | 12 | 8.3 | 114 | ļ |
| | 03/26/97 | 2200 | 82 | 87 | 72 | NA | 770 | |
| | 06/09/97 | 1100 | 82 | 42 | 48 | 17 | 160 | |
| | 11/03/97 | 756 | 15.1 | 72.9 | 8.25 | 15 | 140 | 61.2 |
| | 03/11/98 | 2600 | 202 | <20 | 102 | 88 | 854 | 349 |
| | 06/09/98 | 1620 | 254 | 74 | 254 | 85 | 549.6 | 270 |
| | 11/16/98 | 919 | 26 | 70 | 19 | 45 | 290.1 | 154 |
| | 03/01/99 | 2200 | 110 | 59 | 71 | 76 | 940 | 388 |
| | 06/07/99 | 1300 | 150 | 43 | 53 | | 340 | 159 |
| | 08/27/99 | 270 | 6.2 | 21 | 5 | <8.8 | 71 | 33 |
| Notes: | 351177 | Andreas - Company of the Company of | <u> </u> | | | `0.0 | /1 | J. 3 |

Notes:

all results are in parts per billion (ppb)

MTBE = Methyl-Tert-Butyl-Ether

Xylenes = total of m,p and o xylene isomers

TMB = sum of 1,2,4- and 1,3,5-trimethylbenzenes

Bolded values indicates NR 140 preventative action limit (PAL) exceedence

Shading with bold indicates NR 140 enforcement standard (ES) exceedence

Double lines indicate post excavation sampling results

| ID | Date | Benzene | Ethylbenzene | MTBE | Toluene | Naphthalene | Xylenes | TMB |
|-----------|----------|---------|--------------|--------|---------|-------------|--------------------------------------|--------|
| MW7 | 05/18/94 | < 0.5 | < 0.6 | 2.2 | <0.6 | <3.3 | <1.7 | |
| | 09/17/97 | < 0.5 | <0.6 | <1.7 | <0.6 | <3.3 | <1.7 | |
| | 11/03/97 | <0.5 | <0.6 | 2.53 | <0.6 | <3.3 | <1.7 | <1.55 |
| | 06/09/98 | 8.7 | <0.6 | 2.8 | <0.6 | <2.8 | <1.7 | <1.7 |
| 1 | 11/16/98 | <0,5 | <0.6 | 1.6 | 1.7 | <2.8 | <1.7 | <1.7 |
| } | 03/01/99 | <0.32 | <0.34 | < 0.31 | < 0.35 | <0.88 | <1 | < 0.64 |
| | 06/07/99 | 1.3 | < 0.34 | 3.8 | < 0.35 | | <1 | < 0.64 |
| | 08/27/99 | <0.32 | < 0.34 | 3.4 | < 0.35 | <0.88 | <1 | <0.64 |
| MW8 | 05/18/94 | <0.5 | <0.6 | <1.7 | <0,6 | <3.3 | <1.7 | |
| | | | | | | | | |
| MW9 | 05/18/94 | <0.5 | < 0.6 | <1.7 | <0.6 | <3.3 | <1.7 | |
| | 11/03/97 | <0.5 | <0.6 | <1.7 | <0.6 | <3.3 | <i.7< td=""><td><1.55</td></i.7<> | <1.55 |
| SI | 10/16/96 | 3700 | 750 | 87 | 5900 | 88 | 2460 | |
| | 12/23/96 | 4200 | 1100 | 78 | 7000 | 110 | 3300 | |
| | 03/26/97 | 2000 | 380 | 44 | 2700 | NA | 1340 | |
| | 06/09/97 | 3800 | 1200 | 46 | 3800 | 110 | 3300 | |
| | 11/03/97 | 1400 | 409 | <5 | 18.6 | 45 | 185 | 192 |
| | 03/11/98 | 759 | 190 | 37 | 207 | 23 | 198 | 85 |
| | 06/09/98 | 819 | 238 | 32 | 14 | 22 | 11.8 | 49 |
| | 11/16/98 | 451 | 252 | 35 | 357 | 20 | 282 | 84.8 |
| [| 03/01/99 | 730 | 110 | 23 | 320 | 12 | 230 | 54 |
| | 06/07/99 | 460 | 120 | 35 | 3.7 | | <10 | 8.9 |
| L | 08/27/99 | 290 | 120 | 30 | 170 | <8.8 | 120 | 49 |
| | 140 PAL | 0.5 | 140 | 12 | 68,6 | 8 | 124 | 96 |
| <u>NR</u> | 140 ES | 5 | 700 | 60 | 343 | 40 | 620 | 480 |

Notes:

all results are in parts per billion (ppb)

MTBE = Methyl-Tert-Butyl-Ether

Xylenes = total of m,p and o xylene isomers

TMB = sum of 1,2,4- and 1,3,5-trimethylbenzenes

Bolded values indicates NR 140 preventative action limit (PAL) exceedence

Shading with bold indicates NR 140 enforcement standard (ES) exceedence

Double lines indicate post excavation sampling results